

33406 to 33422.

From India. Presented by Mr. John D. Shanahan, Spencer Kellogg & Sons, Buffalo, N. Y., who procured them from the Allahabad Exhibition, India, unless otherwise noted. Received April 2, 1912.

The following oil seeds; quoted notes by Mr. Shanahan:

33406. *LINUM USITATISSIMUM* L. **Linseed.**

"A white linseed from Government Experiment Farm, Central Provinces."

33407. *PAPAYER SOMNIFERUM* L. **Poppy.**

33408 to 33417. *RICINUS COMMUNIS* L. **Castor bean.**

"There is one feature about the castor bean which all the evidence the writer could collect seems to bear out, and that is that the smaller bean is very much more desirable for commercial use than the larger one, as it is generally given credit for producing a larger yield and better quality of oil. This, of course, is only in a general way. In India, where the greater part of the commercial castor is obtained, the product grown in the territory surrounding Cawnpore is usually very large, and in commercial contracts this bean is barred on account of its large size and insignificant yield of oil.

"The castor-bean plant grows very large in some sections, reaching a height of from 25 to 30 feet, and in India it is mostly grown as a hedge plant, surrounding fields and dooryards. The manufacture of castor oil is growing in this country, and it seems to the writer that the production of beans in this country should be encouraged."

33408. "From Agra."

33409. "From Agra."

33410. "From Cawnpore."

33411. "From Ghazipur."

33412. "From Gondo."

33413. "From Lucknow."

33414. "From Manipur. (Bronze medal.)"

33415. "From Government Experiment Farm."

33416. "From Government Experiment Farm. (Big Kharif.)"

33417. "Sample of commercial seed secured at a native mill at Calcutta, March, 1911. Said to have come from Madras and to be the best quality for yield and quantity of oil used in Calcutta."

33418 to 33420. *SESAMUM ORIENTALE* L. **Sesame.**
(*Sesamum indicum* L.)

33418. "From Government Experiment Farm, Central Provinces."
Brown seeded.

33419. White seeded.

33420. "From Government Experiment Farm, Native Provinces.
(Native Til.)" Yellowish seeded.

33421. *BRASSICA* sp. **Mustard.**
" (Sarson.) "

33422. *GUIZOTIA ABYSSINICA* (L.) Cass. **Niger.**
"Niger seed from Cawnpore."